

a mark signal recording process for optically recording a mark signal for obtaining the special detected signal optically, in the detected non-used setting area;

a setting signal recording process for recording a setting signal
5 for setting the recording parameter, at least, in the non-used setting area excluding an area where the mark signal is recorded; and

a setting process for setting the recording parameter by optically detecting the recorded setting signal.

10 9. The parameter setting method according to Claim 8, wherein
in the mark signal recording process, the mark signal is recorded at a position detected prior to the setting signal recorded in the non-used setting area.

15 10. The parameter setting method according to Claim 8, wherein
in the mark signal recording process, the recording of the mark signal is repeated at a predetermined interval during the recording of the setting signal.

20 11. The parameter setting method according to Claim 9, wherein
in the mark signal recording process, the recording of the mark signal is repeated at a predetermined interval during the recording of the setting signal.

25 12. The parameter setting method according to Claim 10, wherein
the checking process further comprises.

a position retrieving process for retrieving a predicted position of the setting area on the recording medium where the special detected signal is to be optically detected;

a first moving process for moving an executing device for
5 detecting the setting signal and the special detected signal, from the retrieved predicted position, to a retrieval starting position on the recording medium distant from there at least by a distance corresponding to the predetermined interval; and

a second moving process for repeating an operation of further
10 moving the executing device again from the special detected signal-detected position on the recording medium to a position on the recording medium distant from there at least by a distance corresponding to the predetermined interval, when the special detected signal is detected while the executing device is moved from the retrieval
15 starting position to the predicted position, and further moving the executing device to the predicted position, from a position of the executing device after the above further moving used as the retrieval starting position, so as to check whether the special detected signal is detected or not; and

20 in the retrieving process, the setting area adjacent to the setting area where the special detected signal detected last is recorded, is regarded as the non-used setting area, when none of the special detected signal is detected while the executing device is moved from the retrieval starting position to the predicted position.

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13. The parameter setting method according to Claim 8, wherein

the recording parameter is intensity of an optical beam for use in the information recording.

14. The parameter setting method according to Claim 8, further comprising

a recording process for executing the information recording by use of the set recording parameter.

15. An information recording medium in which a setting program is recorded in a readable way by a setting computer, which is included in a recording parameter setting apparatus for setting a recording parameter for use in optical information recording on the recording medium, using any one of a plurality of setting areas previously provided on the recording medium, the setting program causing the setting computer to function as:

a checking device for checking whether a special detected signal is optically detected or not from the setting areas;

a retrieving device for retrieving a non-used area that is the setting area where no special detected signal is detected, of the setting areas, based on the check result of the checking device;

a mark signal recording device for optically recording a mark signal for obtaining the special detected signal optically, in the detected non-used setting area;

a setting signal recording device for recording a setting signal for setting the recording parameter, at least, in the non-used setting area excluding an area where the mark signal is recorded; and